

WHAT IS CLAIMED IS:

1. A building glass facade having an attachment arrangement to mount said building glass facade to a mounting structure, said glass facade comprising:

a plurality of glass panes;

each of said glass panes having a plurality of holes;

each of said holes being configured to receive an attachment arrangement to attach a corresponding glass pane to said mounting structure;

a first clamping element having a conical surface to hold a first glass pane into a corresponding hole in said first glass pane;

a second clamping element having a flange portion to hold said first glass pane and being configured to be attached to said first clamping element, such that said flange portion of said second clamping element and said conical surface of said clamping element clamp said first glass pane on opposite sides of said first glass pane;

an attachment arrangement being configured to be inserted through said first clamping element and said second clamping element;

said attachment arrangement comprising:

a head portion being configured to be seated in a retaining portion disposed about the opening in said clamping element; and

a shank portion being configured to be inserted into a corresponding mounting hole in a mounting structure;

said attachment arrangement being configured to be adjusted to permit alignment of said shank portion with a corresponding mounting hole in a mounting structure, and to permit said head portion to be positioned in said retaining portion to permit tightening of said head portion, even upon said corresponding hole in said first glass pane being out of alignment with a corresponding mounting hole;

said head portion being configured to be tightened, through said opening in said first clamping element, to fasten said first glass pane to a mounting structure; and

a removable cover being configured to be connected to said first clamping element to cover said hole in said first glass plate.

2. A method of mounting a building glass facade to a mounting structure, such as a building, said building glass facade comprising a plurality of glass panes, wherein each of said glass panes has a plurality of holes, and wherein each of said holes is configured to receive an attachment arrangement to attach said glass panes to said mounting structure, said method comprising the steps of:

inserting a first clamping element having a conical surface to hold said first glass pane into a corresponding hole in said first glass pane;

2025.04.14 14:48:00

attaching a second clamping element having a flange portion to said clamping element, such that said flange portion of said second clamping element and said conical surface of said clamping element clamp said first glass pane on opposite sides of said first glass pane;

inserting an attachment arrangement through said first clamping element and said second clamping element;

adjusting said attachment arrangement to permit alignment of a shank portion of said attachment arrangement with a corresponding mounting hole in said mounting structure, and to permit said a portion of said attachment arrangement to be positioned in a retaining portion disposed about the opening in said first clamping element to permit tightening of said head portion, even upon said corresponding hole in said first glass pane being out of alignment with said corresponding mounting hole;

inserting said shank portion into said corresponding mounting hole and tightening, through said opening in said first clamping element, said head portion of said attachment arrangement to fasten said first glass pane to said mounting structure; and

connecting a removable cover to said first clamping element to cover said hole in said first glass plate.

3. Clamp fitting for fastening glass panes with two clamping elements that clamp the glass pane between them, whereby

one clamping element is realized in the form of a conical nut or taper nut that is set into a boring of the glass pane and has a cover, characterized by the fact that the cover (2) is detachably fastened to the conical nut (3).

4. Clamp fitting as claimed in claim 3, characterized by the fact that the conical nut (3) is realized in the shape of a pot and a central boring (5) is located in the bottom (4) of the pot.

5. Clamp fitting as claimed in claim 4, characterized by the fact that the conical nut (3) is realized in the shape of a pot and a slot (6) is located in the bottom (4) of the pot.

6. Clamp fitting as claimed in claim 5, characterized by the fact that the cover (2) is glued or pressed to the conical flange (7) of the conical nut (3).

7. Clamp fitting as claimed in claim 6, characterized by the fact that the cover (2) is realized in the form of a flat disc (8).

8. Clamp fitting as claimed in claim 7, characterized by the fact that the cover (2) is made of steel or plastic.